

Figure 1: Re-Using Columns that Correspond to a Shared Prefix.

e	5	4	5	6	5	4	5
l	4	3	4	5	4	5	6
p	3	2	3	4	3	4	5
p	2	1	2	3	4	5	6
a	1	2	3	4	5	6	7
	0	1	2	3	4	5	6
	p r o p e r						

Re-use columns that correspond to a shared prefix.

e	5	4	5	6	5	4	5	6	5	6
l	4	3	4	5	4	5	4	5	6	7
p	3	2	3	4	3	4	5	6	7	8
p	2	1	2	3	4	5	6	7	8	9
a	1	2	3	4	5	6	7	8	9	10
	0	1	2	3	4	5	6	7	8	9
	p	r	o	p	e		l	l	e	r

Figure 2: Preprocessed Text List.

Text List Index	Text	First Different Character	List of (Prefix, Index of Next Text Lacking Prefix)
0	arm	0	(a, 2), (ar, 2), (arm, 2)
1	arms	3	
2	banana	0	(b, 5), (ba, 5), (ban, 4)
3	band	3	
4	bar	2	
5	cab	0	(c, 7)
6	club	1	

Figure 3: Computing Column Bands.

s					4	5
e	j			4	3	4
l			4	3	2	3
p	4	5	4	3	2	3
m	3	4	3	2	3	4
i	2	3	2	3	4	
d	1	2	3	4	5	
	0	1	2	3	4	
	s	i	m	p	l	y

Figure 4: Re-Using Columns that Correspond to Recurrence-Preserving Characters.

